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| Journal Name: | [**Asian Journal of Probability and Statistics**](https://journalajpas.com/index.php/AJPAS) |
| Manuscript Number: | **Ms\_AJPAS\_139949** |
| Title of the Manuscript: | **Estimating Parameters of the Beta Regression Model Using the Dung Beetle Optimizer with Application** |
| Type of the Article | **Original Research Article** |

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| **PART 1: Comments** | | |
|  | **Reviewer’s comment**  **Artificial Intelligence (AI) generated or assisted review comments are strictly prohibited during peer review.** | **Author’s Feedback** (It is mandatory that authors should write his/her feedback here) |
| **Please write a few sentences regarding the importance of this manuscript for the scientific community. A minimum of 3-4 sentences may be required for this part.** | **Yes, the manuscript is important for the scientific community. It provides the overview of Beta Regression Model using the Dung Beetle Optimizer with Application. In the results and discussion section author describe about the simulations by using hospital datasets, where author try to explain the justify the process. Which I find useful.** | Thank you for your positive assessment. We appreciate your recognition of the manuscript’s contribution to the scientific community. The integration of the Dung Beetle Optimizer (DBO) into the Beta regression framework addresses the need for robust parameter estimation methods, particularly in bounded data scenarios. Additionally, the application to hospital data demonstrates the algorithm’s practical value in real-world contexts, making the study relevant to both theoretical researchers and applied data analysts. |
| **Is the title of the article suitable?**  **(If not please suggest an alternative title)** | **Yes, the title of the article is suitable.** | Thank you. We are pleased to know that the title is found suitable. |
| **Is the abstract of the article comprehensive? Do you suggest the addition (or deletion) of some points in this section? Please write your suggestions here.** | **Yes, the abstract of the article is well-written, but there is room for improvement. It will be much better if the reflection of the findings showed with brief mention of the simulation process.** | Thank you for the valuable suggestion. As advised, we have improved the abstract by briefly mentioning the simulation process and reflecting the key findings to enhance clarity and completeness. |
| **Is the manuscript scientifically, correct? Please write here.** | **The manuscript offers an estimating parameter of the beta regression model using the dung beetle optimizer with application, presenting a well-organized and scientifically sound overview of the topic.** | Thank you for the positive feedback. We appreciate your acknowledgment of the scientific quality and structure of the manuscript. |
| **Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.** | **No, there should be more recent and text- related references linked together to improve the references.** | Thank you for the suggestion. We have revised the reference list by including several recent and relevant studies (2020–2025) that directly support the theoretical background and methodology. All references have been properly linked within the text. |
| **Is the language/English quality of the article suitable for scholarly communications?** | **Yes, the language used in the article is appropriate for scholarly communication and ideas are conveyed clearly and concisely in academic tone.** | Thank you for your positive feedback regarding the language quality. We have carefully proofread the manuscript again to ensure clarity and consistency throughout the text. |
| **Optional/General** comments |  |  |

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| **PART 2:** | | |
|  | **Reviewer’s comment** | **Author’s comment** *(if agreed with reviewer, correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)* |
| **Are there ethical issues in this manuscript?** | *(If yes, Kindly please write down the ethical issues here in details)* | There are no ethical issues in this manuscript. The study does not involve any human participants, animal experiments, or sensitive data. |